



Preliminary Information

PIT5981A Air Suspension Low / Short Term Inflates or Deflates Inop / Service Air Leveling / DTC U0222 U0223 U0224 and/or U0225

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade Models	2021 - 2024	All	All	All	All
Chevrolet	Suburban	2021 - 2024	All	All	All	All
Chevrolet	Tahoe	2021 - 2024	All	All	All	All
GMC	Yukon Models	2021 - 2024	All	All	All	All

Involved Region or Country	North America
Additional Options (RPO)	F47 - Air Leveling Suspension
Condition	<p>Some customers may comment on any of the following concerns:</p> <ul style="list-style-type: none"> - Air leveling suspension is inoperative - Service Leveling System message displayed in the DIC - Air suspension is low or leaning <p>When checking for DTC's there may be DTC's set in the Air Leveling Control Module, but there may also be DTCs that don't seem to be relevant, such as the following: U0222, U0223, U0224, and/or U0225.</p> <p>Also, If performing Short Term Inflates with GDS2, the function does not work, but the GDS2 screens may indicate that it is working.</p>
Cause	The cause of these concerns could be a loss of communication with a power window motor(s), or a door ajar issue.

Correction:

To correct this concern, repair any loss of communication or door ajar DTC's first, and then reevaluate the air suspension operation.

For proper function of the air leveling suspension, the door ajar status is critical. Each door ajar switch is hard wired to it's respective door window motor. When there is a DTC for no communication with a door window motor, the door ajar status (open/close) is not reliable. This will cause the GDS2 door ajar parameter to default to "closed", even though the actual door ajar status is unknown due to the no communication issue. This would mislead a tech to believe the system is in good working order, when it is not.

Tip: When monitoring the door ajar parameters, open and close each door and make sure the data matches the door position.

Note: This condition has been seen on vehicles that have been upfitted, examples armored vehicles, limos, etc.

Warranty Information

The correction for this concern may be one of several repairs described above.

For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the actual cause and repair.

Additional SI Keywords

C1187 C1188 C1189 C118A C118B C118C C118, C118F c1190 c1191 c1192 c1193 unlevel lean right left lo lower front rear

Version History

Version	2
Modified	2/10/2023 - Created on. 02/23/2024 - Update to model list.



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